

Title (en)  
A NON-SLIP COMPOSITE STRUCTURE

Title (de)  
RUTSCHFESTE VERBUNDSTRUKTUR

Title (fr)  
STRUCTURE COMPOSITE ANTIDÉRAPANTE

Publication  
**EP 4201666 A1 20230628 (EN)**

Application  
**EP 21218424 A 20211231**

Priority  
TR 202120782 A 20211223

Abstract (en)  
The invention relates to a nonwoven composite structure (A) comprising a laminated fabric layer (B) defined by a nonwoven fabric layer (B1) to which a film layer (B2) is laminated to seal and an anti-slip surface layer (C) that is created by applying an anti-slip chemical (C1) to the entire surface of said film layer (B2) with the kissroll method continuously and without leaving any gaps so as in to provide anti-slip feature to said nonwoven composite structure (A) and to a related production method.

IPC 8 full level  
**B32B 5/02** (2006.01); **B32B 27/12** (2006.01); **B32B 27/32** (2006.01)

CPC (source: EP)  
**B32B 5/022** (2013.01); **B32B 27/12** (2013.01); **B32B 27/32** (2013.01); **B32B 2255/10** (2013.01); **B32B 2255/26** (2013.01); **B32B 2262/0253** (2013.01); **B32B 2307/718** (2013.01); **B32B 2307/7265** (2013.01); **B32B 2307/7376** (2023.05); **B32B 2307/744** (2013.01)

Citation (applicant)  
• TR 201910478 A  
• TR 202018495 A2 20210421 - HASSAN TEKSTIL SANAYI VE TICARET A S [TR]  
• JP 2007118288 A 20070517 - DAISHOWA PAPER PRODUCTS CO LTD  
• JP 2013226361 A 20131107 - TEFIRU KK, et al

Citation (search report)  
• [X] US 4822669 A 19890418 - ROGA ROBERT C [US]  
• [X] EP 0987993 B1 20040901 - KIMBERLY CLARK CO [US]  
• [X] US 2006286334 A1 20061221 - HARPOLE GREGORY S [US]  
• [A] EP 1199056 A1 20020424 - PROCTER & GAMBLE [US]  
• [AD] JP 2007118288 A 20070517 - DAISHOWA PAPER PRODUCTS CO LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4201666 A1 20230628**

DOCDB simple family (application)  
**EP 21218424 A 20211231**